

MATHESON AND ROSEDALE SUBDIVISION

ISSUED FOR DRAFT PLAN APPROVAL

2024/11/22EFI REF. NO. 7213

DRAWING LIST

7213-C001	COVER PAGE	7213-C108	PLAN AND PROFILE (STREET 1 - PROFILE 1)
7213-C002	CIVIL NOTES	7213-C109	PLAN AND PROFILE (STREET 1 - PROFILE 2)
7213-C003	DETAILS PLAN	7213-C110	PLAN AND PROFILE (STREET 1 - PROFILE 3)
7213-C101	EXISTING CONDITIONS PLAN	7213-C111	PLAN AND PROFILE (STREET 1 - PROFILE 4)
7213-C102	SEDIMENT AND EROSION CONTROL PLAN	7213-C112	PLAN AND PROFILE (STREET 2 - PROFILE 1)
7213-C103	GRADING AND SERVICING PLAN 1	7213-C113	PLAN AND PROFILE (STREET 2 - PROFILE 2)
7213-C104	GRADING AND SERVICING PLAN 2		
7213-C105	GRADING AND SERVICING PLAN 3		
7213-C106	GRADING AND SERVICING PLAN 4		
7213-C107	GRADING AND SERVICING PLAN 5		



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NOTES:

- 1. ALL WORK ON THIS PROJECT SHALL CONFORM TO THE 2012 ONTARIO BUILDING CODE (OBC), ANY LOCAL REGULATIONS AND BYLAWS, AND THE OCCUPATIONAL HEALTH AND SAFETY ACT (OHSA) FOR CONSTRUCTION PROJECTS (LATEST VERSION). ALL APPLICABLE CODES AND STANDARDS SHALL BE THOSE REFERENCED IN OBC 2012.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS.
- 3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITIES & MEASUREMENTS AT THE SITE BEFORE THE START OF CONSTRUCTION. CONTRACTOR TO INFORM THE ENGINEER OF ANY DIFFERING SITE CONDITIONS & ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE PROJECT BEFORE PROCEEDING WITH THE WORK.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING UTILITY LOCATIONS PRIOR TO THE COMMENCEMENT OF WORK AND TO PROVIDE ADEQUATE PROTECTION OF THESE UTILITIES FROM DAMAGE DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL DISTURBED AREAS ON OR OFF SITE TO ORIGINAL CONDITION OR BETTER.
- 5. THE CONTRACTOR SHALL PROTECT OWNER'S BUILDING AND EQUIPMENT DURING THE CONSTRUCTION PROCESS & REPLACE ANY DAMAGED ITEMS.
- 6. THE CONTRACTOR SHALL SUPPLY ALL MATERIALS AS SPECIFIED ON THE CONTRACT DRAWINGS. ALL MATERIALS SUPPLIED SHALL BE NEW.
- 7. THE CONTRACTOR SHALL MAINTAIN PROPER EXITING, FREE OF CONSTRUCTION DEBRIS AND KEEP FIRE EXTINGUISHERS ON SITE AT ALL TIMES DURING CONSTRUCTION.
- 8. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR FULL SUPERVISION OF CONSTRUCTION WORK. SITE VISITS AND REVIEW BY DESIGN ENGINEER OR HIS REPRESENTATIVE ARE INTENDED FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THEIR REVIEW SHALL NOT MEAN THAT THE ENGINEER HAS SEEN ALL CONSTRUCTION PROCEDURES, RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR PERFORMING THE WORK. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY OF ERRORS AND OMISSIONS AND FOR MEETING ALL THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
- 9. ALL WORKMANSHIP IS TO BE OF A STANDARD, EQUAL IN ALL RESPECTS TO GOOD BUILDING PRACTICE.
- 10. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.
- 11. SURVEY TAKEN FROM "TOPOGRAPHIC PLAN OF SURVEY OF PART OF LOT 20, CONCESSION 3, GEOGRAPHIC TOWNSHIP OF MONTAGUE, TOWNHSIP OF MONTAGUE, COUNTY OF LANARK MONUMENT URSO SURVEYING LTD" DATED DECEMBER 20, 2023.
- 12. ALL WORK INVOLVED IN THE CONSTRUCTION, RELOCATION, REPAIR OF MUNICIPAL SERVICES FOR THE PROJECT SHALL BE TO THE SATISFACTION OF THE PLANNING AND BUILDING DEPARTMENTS AT THE TOWNSHIP OF MONTAGUE.
- 13. THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNER'S BONDED CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS NORMALLY REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS, BUT NOT LIMITED TO THE FOLLOWING:
- BUILDING PERMITSEWER AND WATER PERMITS
- ROAD CUT PERMITS
- RELOCATION OF SERVICES
- APPROACH APPROVAL PERMITS
- ENCROACHMENT AGREEMENTS (IF REQUIRED)COMMITTEE OF ADJUSTMENT
- 14. ABANDONED ACCESSES MUST BE REMOVED AND THE RIGHT OF WAY RESTORED WITH SOD AT THE OWNER'S EXPENSE TO THE SATISFACTION OF THE TRAFFIC ENGINEERING SECTION, PUBLIC WORKS DEPARTMENT.
- 15. THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR THE FOLLOWING REQUIRED CONSTRUCTION REVIEW. NO ACCEPTANCE WILL BE GIVEN FOR ANY WORK THAT HAS NOT BEEN REVIEWED BY THE ENGINEERS REPRESENTATIVE

ROAD STRUCTURE PER GEOTECHNICAL CONSULTANT'S, ST. LAWRENCE TESTING AND INSPECTION CO. LTD, SPECIFICATION (REPORT DATED OCTOBER 31, 2023)

-40mm HL3 COMPACTED TO 96% MARSHALL DENSITY
-50mm HL4 COMPACTED TO 96% MARSHALL DENSITY
-150mm GRANULAR A COMPACTED TO 100% STANDARD PROCTOR DENSITY
-375mm GRANULAR B TYPE II COMPACTED TO 100% STANDARD PROCTOR DENSITY

GRADING DESIGN DETAILS

- 1. REAR YARD LOTS SHALL HAVE A MINIMUM OF A 5m "USABLE AREA" WHERE THE GRADE HAS A SLOPE BETWEEN 2% TO 5%.
- 2. 5% TO 10% SLOPES ARE ACCEPTABLE BEYOND THE 5m USABLE AREA IN REAR YARDS.
- 3. 3:1 TERRACING FOR UPWARDS SLOPES ARE ACCEPTABLE TO MAXIMUM GRADE CHANGE OF 1.0m.
- 4. 4:1 TERRACING FOR UPWARDS SLOPES IS ACCEPTABLE FOR GRADE CHANGES GREATER THAN 1.0m.
- 5. THE MAXIMUM GRADE ALONG REAR PROPERTY LINES IS 6%.
- 6. DRIVEWAYS SHALL BE IN ACCORDANCE WITH THE LANARK COUNTY DESIGN DETAIL "RURAL ENTRANCES ON FILL, DATED OCT 2019".
- 7. DRIVEWAYS SHALL HAVE A MINIMUM SLOPE OF 1% AND A MAXIMUM SLOPE OF 8%.
- 8. A MINIMUM OF 0.15m SEPARATION SHALL BE PROVIDED FROM THE FINISHED GRADE TO THE BRICKLINE AT ALL HOUSES.

STORMWATER MANAGEMENT DESIGN DETAILS

- 1. CROSS CULVERTS SHALL BE A MINIMUM 0.6m IN DIAMETER, EXCEPT PRIVATE ENTRANCE CROSS CULVERTS SHALL BE 0.45m.
- 2. ALL PRIVATE ACCESS CULVERTS SHALL BE POLYMER LAMINATED CSP.
- 3. RIP RAP APRONS SHALL BE PROVIDED, PER OPSD 810.010, ON ALL CROSS CULVERTS. PRIVATE ENTRANCE CROSS CULVERTS SHALL BE PROVIDED WITH RIP RAP APRONS BASED ON FLOW CHARACTERISTICS.
- 4. GABIONS OR RIP RAP SHALL BE PROVIDED AT ALL INLETS TO PROTECT AGAINST EROSION TO CHANNEL FLOW TO THE INLET STRUCTURE.
- 5. OPSD 804.030 STANDARD HEADWALL SHALL BE USED FOR ALL 900mm DIAMETER OR LESS STORM SEWER OUTLETS.
- 6. OPSD 804.040 HEADWALL SHALL BE USED FOR ALL STORM SEWERS GREATER THAN 900mm DIAMETER.
- 7. ALL HEADWALLS SHALL BE EQUIPPED WITH GRATING OVER THE OUTLET PER OPSD 804.050.
- 8. ALL HEADWALLS EQUAL TO, OR GREATER THAN, 0.9m IN HEIGHT SHALL BE PROVIDED WITH SAFETY RAILINGS.

STORM SEWERS & MAINTENANCE HOLE NOTES:

- CONSTRUCTION OF STORM SEWERS & PRIVATE DRAINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS & SPECIFICATIONS (LATEST EDITION) AND MINISTRY OF ENVIRONMENT (MOE) GUIDELINES (LATEST EDITION).
- 2. COVER AND BEDDING MATERIAL FOR CONCRETE PIPE SHALL BE GRANULAR 'A' MATERIAL AS PER OPSD 802.030 OR 802.033, CLASS 'B' BEDDING.
- 3. COVER AND BEDDING MATERIAL FOR PVC PIPE SHALL BE GRANULAR 'A'
 MATERIAL AS PER OPSD 802.010 OR 802.013.
- 4. ALL SEWERS TO BE FLUSHED PRIOR TO VIDEO INSPECTION.
- 5. MANHOLE FRAMES AND COVERS SHALL BE AS PER OPSD 401.010.
- 6. STORM SEWER PIPE SHALL BE PVC SDR35 CSA B182.2.
- 7. MANHOLES SHALL BE 1200mm DIAMETER, AS PER OPSD 701.010, WITH FRAMES AND COVERS PER OPSD 401.010.
- 8. PRECAST MAINTENANCE HOLES SHALL BE AS PER OPSD 701.010 & 705.010.
- 9. MAINTENANCE HOLES COVER SHALL BE AS PER OPSD 401.010 (OPEN COVER FOR STORM SEWER).

COMPACTION REQUIREMENTS

- 1. ALL BEDDING AND BACKFILL MATERIAL, ROAD SUB-GRADES AND GENERALLY ALL MATERIAL USED FOR LOT GRADING AND FILL SECTIONS, ETC., SHALL BE COMPACTED PER THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
- 2. FOR ALL SEWERS IN FILL SECTIONS, THE COMPACTION SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO LAYING OF PIPE.
- 3. COMPACTION TESTING SHALL BE CONDUCTED BY A LICENSE TESTING LABORATORY. TESTING TO BE ARRANGED BY THE CONTRACTOR AND PAID FOR BY THE OWNER. COPIES OF ALL TEST REPORTS SHALL BE PROVIDED TO THE OWNER AND THE OWNER'S DESIGNATE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING COMPACTION TESTING.

FIRE PROTECTION:

- 1. TANKS FOR HYDRANT WATER SUPPLY SHALL BE MINIMUM 6,100 GALLONS AND CONFORM TO NFPA 22 "STANDARD FOR WATER TANKS FOR PRIVATE PROTECTION". THE CONTRACTOR IS RESPONSIBLE FOR THE PROCUREMENT AND INSTALLATION OF THE APPROVED TANKS TO THE SATISFACTION OF THE TOWNSHIP OF MONTAGUE, COUNTY OF LANARK, AND THE OWNER'S DESIGNATE ENGINEER.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO ENSURING THE PROVIDED TANK IS WATER TIGHT AND SCHEDULING THE REQUIRED OFFICIAL INSPECTION FOR FINAL APPROVALS.
- 3. THE WATER STORAGE TANK'S INSPECTION, TESTING, AND MAINTENANCE SHALL BE IN ACCORDANCE WITH NFPA 22.
- 4. THE CONTRACTOR MUST PROVIDE SHOP DRAWINGS OF THE PROPOSED WATER TANK TO THE ENGINEER FOR REVIEW AND APPROVAL.

SEDIMENT AND EROSION CONTROL:

- 1. CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROL DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR TO INSTALL AND CONTINUOUSLY MONITOR AND MAINTAIN SEDIMENT CONTROL PLAN TO MINIMIZE EROSION AND SEDIMENT TRANSPORT.
- 2. CONTRACTOR TO PROVIDE A LIGHT DUTY GEOTEXTILE SILT FENCE AROUND THE SITE PERIMETER, INSTALL PER MANUFACTURER'S INSTRUCTIONS. FENCE SHALL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ACHIEVED. INSTALL FENCE PER OPSD 219.110 LIGHT DUTY SILT FENCE BARRIER AS DETAILED ON "SEDIMENT AND EROSION CONTROL PLAN" DRAWING.
- 3. SILTSACKS BY TERRAFIX OR EQUIVALENT TO BE USED IN CATCH BASINS DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. THE CONTRACTOR IS TO MAINTAIN THESE CONTROL MEASURES TO THE SATISFACTION OF THE TOWNSHIP OF MONTAGUE, RVCA, LANARK COUNTY, AND THE OWNERS ENGINEER.
- 4. ALL SILTSACKS SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE TOWNSHIP OF MONTAGUE, RVCA, LANARK COUNTY, AND THE OWNERS ENGINEER.
- 5. ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE TOWNSHIP OF MONTAGUE, RVCA, LANARK COUNTY, AND THE OWNERS ENGINEER.
- 6. CONTRACTOR TO PROVIDE MUD MAT AT THE SITES ACCESS AND EXIT DURING CONSTRUCTION. MINIMUM 200mm DEPTH X 50mm & 100mm CLEAR STONE.
- 7. RIP RAP TYPE 2 WITH GEOTEXTILE PER OPSD 810.010 AROUND THE STRAWBALE CHECK DAM.
- 8. STRAWBALE FLOW CHECK DAM SHALL BE AS PER OPSD 219.180.



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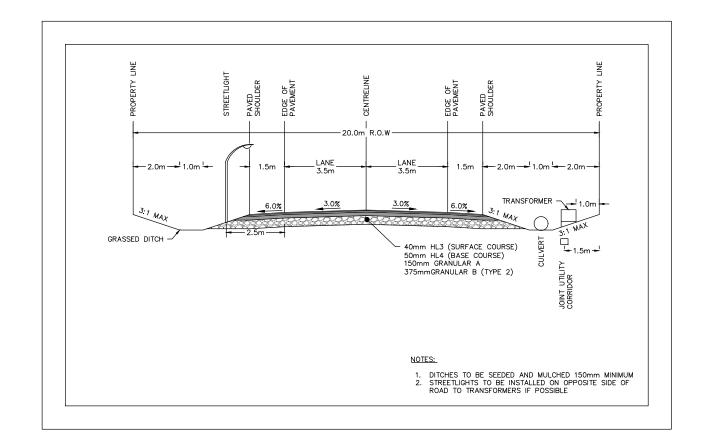
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NORTH GOWER, ONTARIO
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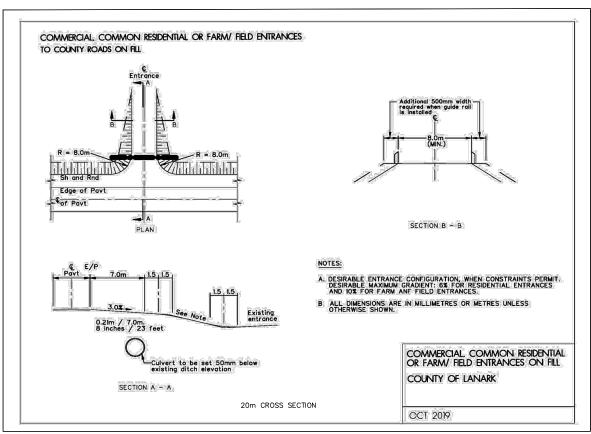
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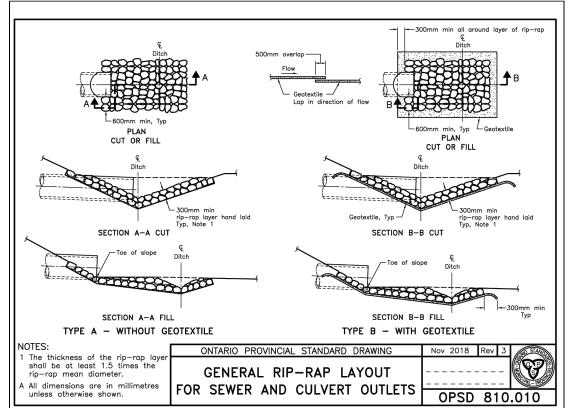
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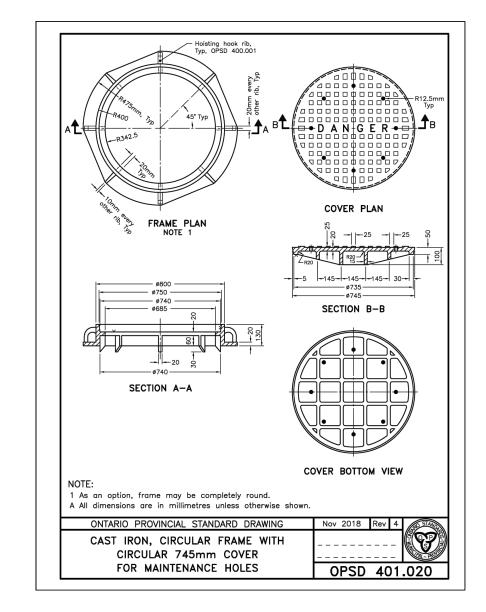
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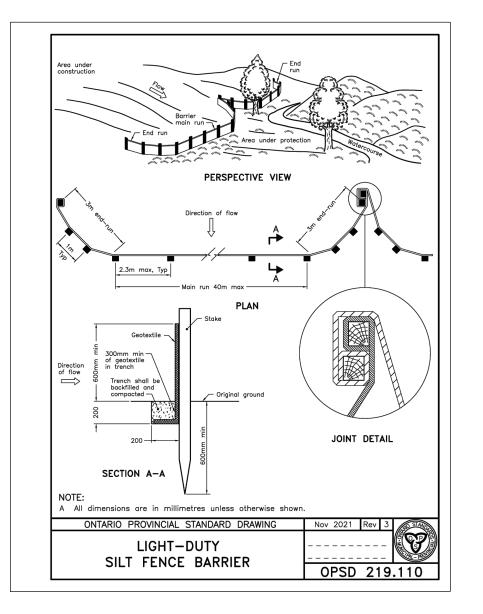
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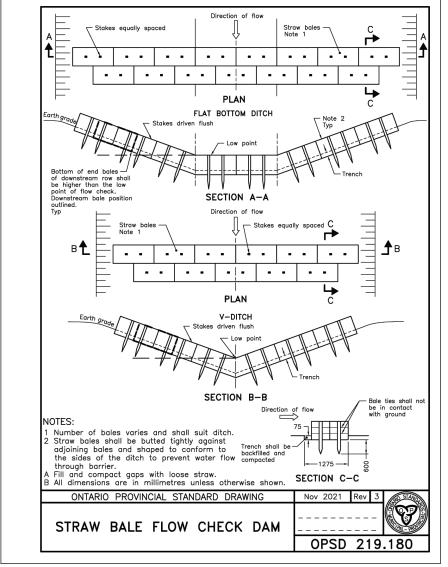


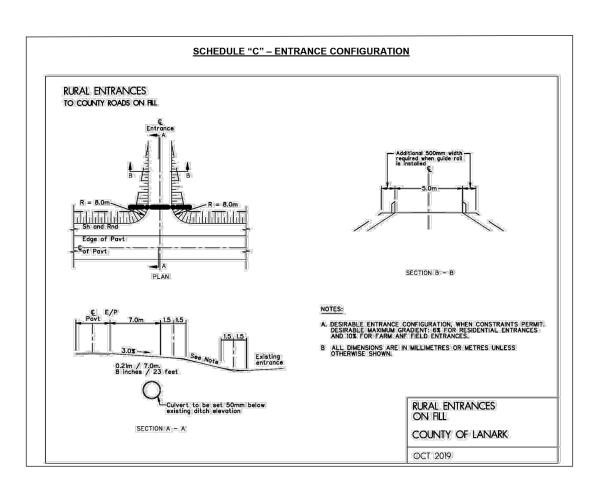














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2024/11/22

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MATHESON AND ROSEDALE SUBDIVISION

DETAILS PLAN

SCALE: N.T.S DATE: 2024/11/22

PROJECT NO: DRAWING NO: COO3



